

**Patent Claims**

1. A method for controlling evaporation temperature in an air conditioning system, in particular a vehicle  
5 air conditioning system, having a latent refrigeration accumulator (3) which can be cooled by an evaporator (1), with the evaporation temperature of a refrigerant in the evaporator (1) being set as a function of demand to a value between a minimum temperature ( $T_{\min}$ ) and a  
10 maximum temperature ( $T_{\max}$ ) which is below a phase change temperature of the latent medium.
2. The method as claimed in claim 1, characterized in that the latent refrigeration accumulator (3) contains  
15 decanol as latent medium.
3. The method as claimed in claim 1 or 2, characterized in that the latent refrigeration accumulator (3) contains tetradecane as latent medium.  
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4. A vehicle air conditioning system to be operated by the method as claimed in one of claims 1 to 3.